

Signature BioScience, Inc.
475 Brannan Street
San Francisco, California 94103
(415) 490-2400

In re application of: John Hefti et al

Application No.: 10/073,827

Filed: February 11, 2002

Group Art Unit: 1645

For: A SYSTEM AND METHOD FOR CHARACTERIZING
PERMITTIVITY OF MOLECULAR EVENTS

THE ASSISTANT COMMISSIONER FOR PATENTS
Washington, D.C. 20231

Amendment Transmittal

Docket No. 29US

Date: 9/13/02

I hereby certify that this is being deposited with the United States
Postal Service as first class mail in an envelope addressed to:

Assistant Commissioner for Patents
Washington, D.C. 20231

Signed: 

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TECH CENTER 1600/2900

Sir:

Transmitted herewith are the following documents in the above-identified application.

- ☒ Preliminary Amendment;
☒ Return Postcard.

If any extension of time is needed, then this response should be considered a petition therefor.
The filing fee has been calculated as shown below:

| | (Col. 1) | | (Col. 2) | | (Col. 3) |
|---|---|-------|---------------------------------------|------------------|----------|
| | CLAIMS REMAINING AFTER AMENDMENT | | HIGHEST NO. PREVIOUSLY PAID FOR | PRESENT EXTRA | |
| TOTAL | * 17 | MINUS | ** 20 | = | 0 |
| INDEP. | * 1 | MINUS | *** 3 | = | 0 |
| [] FIRST PRESENTATION OF MULTIPLE DEP. CLAIM | | | | | |

| SMALL ENTITY | | OR | OTHER THAN SMALL ENTITY | |
|------------------------|---------------|----|----------------------------|---------------|
| RATE | ADDIT. FEE | | RATE | ADDIT. FEE |
| x \$9.00 = | | | x \$18.00 = | \$0 |
| x \$40.00 = | | | x \$80.00 = | \$0 |
| + \$135.00 = | | | + \$270.00 = | \$0 |
| | | | | \$0 |
| TOTAL ADDIT. FEE | | OR | TOTAL | \$0 |

* If the entry in Col. 1 is less than the entry in Col. 2, write "0" in Col. 3.

** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, write "20" in this space.

*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, then write "3" in this space. The "Highest Number Previously Paid For" (Total or Independent) is the highest number found from the equivalent box in Col. 1 of a prior amendment or the number of claims originally filed.

☒ No fee is due.

Please charge Deposit Account No. 501506 as follows:

☐ Claims fee

\$

☒ Any additional fees associated with this paper or during the pendency of this application.

NO extra copies of this sheet are enclosed.

SIGNATURE BIOSCIENCE, INC.


Kelvan Patrick Howard, Ph.D., Reg. No.: 48,999



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PATENT
Docket No.: 29US
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SEP 20 2002

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

John Hefti et al.

Application No.: 10/073827

Filed: February 11, 2002

For: A SYSTEM AND METHOD FOR
CHARACTERIZING THE
PERMITTIVITY OF MOLECULAR
EVENTS

Examiner: Not Assigned

Art Unit: Not Assigned

PRELIMINARY AMENDMENT

H7/B
Plunkett
9/25/02

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Before examination of the above application, please enter the Preliminary Amendment set out below.

IN THE CLAIMS

Please cancel pending claims 1-3. Please add the following new claims:

4. (New) A method for determining the system-independent permittivity of a molecular event, the method comprising:
- a.) providing a detection structure configured to produce output parameters when electromagnetically coupled to a reference or test sample,
 - b.) defining one or more permittivity coefficients using two or more calibration solutions,
 - c.) computing the difference between the output parameters obtained when the detection structure is electromagnetically coupled to the reference and test sample, and

B1